

WHAT IS CLAIMED IS:

1. A garbage can, comprising
an outer containing body; the containing body having a
5 slip-prevention pad joined to a bottom thereof; the containing body
having an annular surrounding member joined to an upper end thereof;
the containing body having a ringed member secured to an inner side of
a lower end of the annular surrounding member; the annular surrounding
member having an upper opening smaller than a lower opening thereof;
10 the ringed member having front and rear slots, and a gap communicating
with both of the slots thereof; the ringed member having a holding
portion projecting upwards over the rear slot; the holding portion of the
ringed member having a longitudinal guiding trench communicating
with the rear slot thereof;
15 a pair of top shutters pivoted to an inner side of the annular
surrounding member at front and rear ends thereof so as to be movable
between a closed position with opposing edges thereof abutting each
other and an opened position with the opposing edges being apart from
each other; each shutter having slots respectively near to the front and
20 the rear ends thereof; the slots being formed in such a manner as to be in
a sloping position when the shutters are in a closed position; a tension
spring being connected to the rear slots of both shutters for biasing the
shutters to the closed position;

a control mechanism for opening the shutters with; the control mechanism having:

- (1) an actuating plate having a main body, and two wings projecting from two sides of an upper end of the main body thereof; the
5 actuating plate having a guiding bar on the main body thereof; each of the wings having a rod part projecting from it; each of the rod parts having a stopping protrusion at a tail end thereof; the main body being up and down movably passed into the front slot of the ringed member with the guiding bar being passed into
10 the guiding trench; the rod parts facing inwardly of the outer containing body, and passed through respective ones of the slots of the shutters;
- (2) a connecting rod connected to the actuating plate at an upper end;
- (3) a semicircular pivotal member arranged in a lower portion of the
15 outer containing body; the semicircular pivotal member being pivoted to the outer containing body at two ends thereof; the semicircular pivotal member being connected to a lower end of the connecting rod at a middle portion thereof;
- (4) a pedal connected to the semicircular pivotal member, and
20 projecting out from the outer containing body for making the connecting rod and the actuating plate move down to pivot the shutters to the opened position when being depressed; and
a buffer mechanism having a main body, and a piston rod movable

relative to the main body; the piston rod projecting down from a lower end of the main body, and being fixedly connected to the outer containing body at the lower end; the main body being fixedly joined to the connecting rod of the control mechanism at an upper end for up and down displacement together with the connecting rod relative to the piston rod; the lower end of the piston rod being farthest away from the main body of the buffer mechanism when the shutters are in the closed position; the main body moving up relative to the piston rod at such a speed as to counteract the tension spring, and slow down the movement of the shutters from the opened position to the closed position after the pedal is released from the depressed position.

2. The garbage can as claimed in claim 1, wherein the buffer mechanism is a hydraulic cylinder.
3. The garbage can as claimed in claim 1, wherein the buffer mechanism is a gas cylinder.
4. The garbage can as claimed in claim 1, wherein the main body of the buffer mechanism has a connecting projection at the upper end, which has a through hole, and a connecting block is provided to connect the connecting projection to the connecting rod; the connecting block having a projection passed into the connecting projection of the main body; the connecting block having a connecting trench fitted over the connecting rod; the connecting block having a plurality of screw holes communicating with the connecting trench; a pin being fitted

into the through hole of the connecting projection; fixing elements being screwed into the screw holes to secure the connecting rod to the connecting block.

5. The garbage can as claimed in claim 1, wherein the lower outer end
5 of the piston rod has a bored connecting ear while the outer containing body has a fixed plate projecting from an inner side, which fixed plate has a rod projecting from it, and passed through a hole of the connecting ear.

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